PAMS Technical Documentation
NSB-8 Series Transceivers

General Information

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The Product

The NSB-8 is a single band handportable mobile telephone for GSM 1900 networks. It is a GSM 1900 power class 1 (1W) transceiver. The main transceiver features are:

- Full graphic display
- GPRS
- Integrated IR link & internal data
- Internal vibra
- Plug & play HF support
- Plug-in SIM card below the back cover of the phone
- Back mounted antenna (no connection for external antenna)
- Jack style UI with two soft keys

Handportable

Figure 1: Handportable

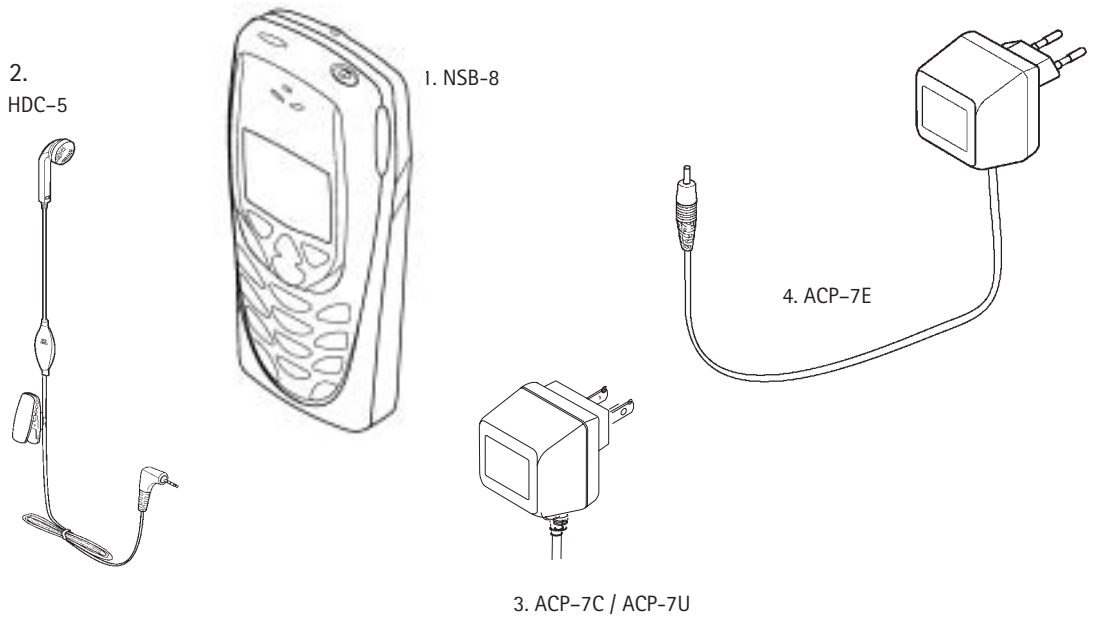

Table 1: Handportables

Item	Name	Type code	Material code
1	Transceiver	See product variants	
	Standard battery Li-ion	BLB-2	0670246
2	Headset	HDC-5	0694059
3	StandardCharger (USplug) 108-132 Vac	ACP-7U	0675143
	StandardCharger (USplug) 198-242 Vac	ACP-7C	0675158
4	StandardCharger (Europlug) 207-253 Vac	ACP-7E	0675144

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Desktop Option

The desktop option allows the user to charge the phone from the mains. Besides these optional chargers also ACP-7 can be used.

Figure 2: Desktop option

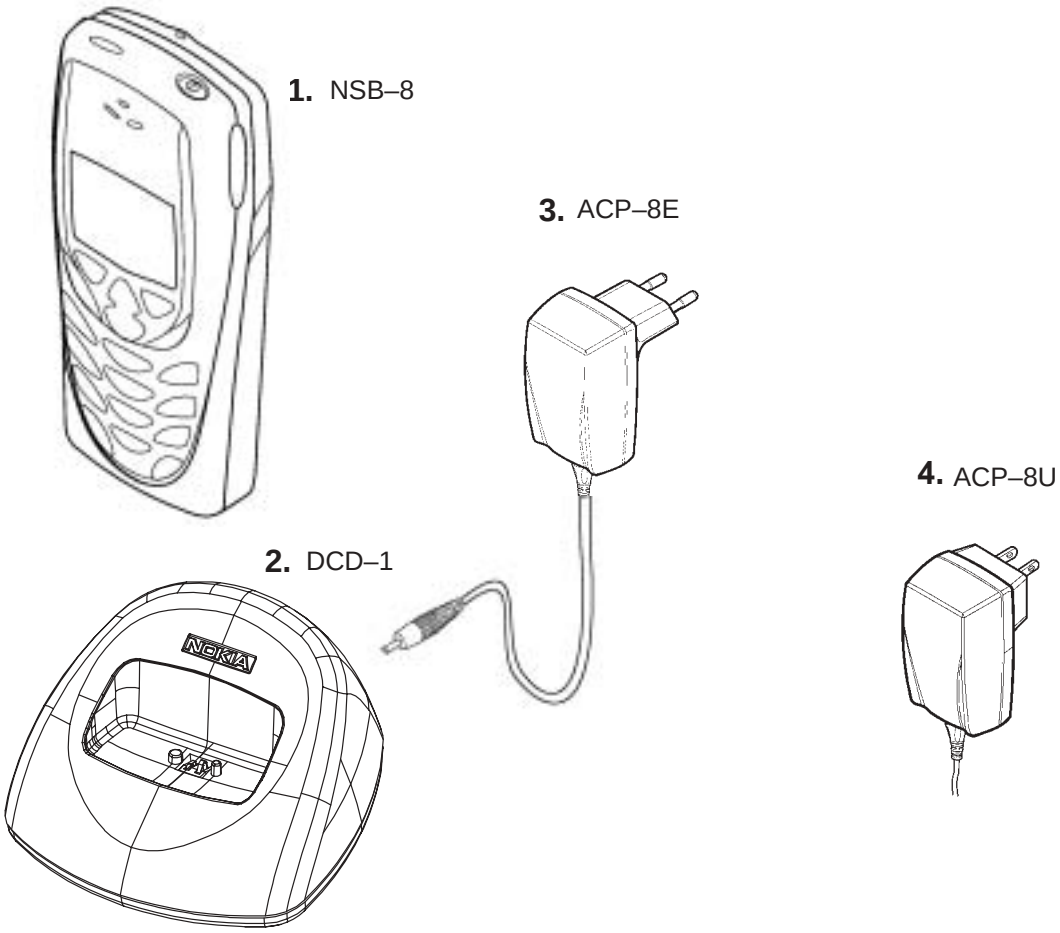

Table 2: Desktop options

Item	Name:	Type Code:	Material Code:
1.	Transceiver (See Product Variants)	See Product Variants	
2	Desk stand	DCD-1	0675253
3.	Travel Charger (Euro plug) 90-264 Vac	ACP-8E	0675195
4.	Travel Charger (US plug) 90-264 Vac	ACP-8U	0675196

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Product and Module List

Table 3: Product and module list

Unit/type	Product code
NSB-8 Transceiver	See Product Variants
BLB-2 Standard Battery Li-ion	0271570
ACP-7E Standard Charger (EUR) 207-253 Vac	0675144
ACP-7U Standard Charger (US) 108-132 Vac	0675143
ACP-7C Standard Charger (US) 198-242 Vac	0675158
ACP-8E Travel Charger (EUR) 90-264 Vac	0272169
ACP-8U Travel Charger (US) 90-264 Vac	0675196
LCH-9 Mobile Charger	0675120
PPH-1 Plug-in HF Car Kit	0272170
MBD-10 Mobile Holder	0272866 Eur/Afr 0273412 APAC
MKU-1 Mounting Plate	0620036
HHS-9 Swivel Mount	0620037
DCD-1 Desktop Stand	0272865
DDC-1 Battery Charging Stand	0272418
HFM-8 HF Microphone	0271503
HDC-5 Headset	0271467
LPS-3 Loopset	0272419

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General Specifications of Transceiver NSB-8

Table 4: NSB-8 General Specifications

Parameter	Unit
Cellular system	GSM 1900
RX frequency band	GSM: 1930 ... 1990 MHz
TX frequency band	GSM: 1850 ... 1910 MHz
Output power	+0 ...+30 dBm / 1.0 mW ... 1 W
Duplex spacing	80 MHz
Number of RF channels	299
Channel spacing	200 kHz
Number of TX power levels	16
Sensitivity, static channel	-102 dBm
Frequency error, static channel	< 0.1 ppm
RMS phase error	< 5.0 ^{0}
Peak phase error	< 20.0 ^{0}

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